

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/000182

A. CLASSIFICATION OF SUBJECT MATTER	
Int. Cl. G11B7/125, 7/135, H01S5/00	
According to International Patent Classification (IPC) or to both national classification and IPC	
B. FIELD OF SEARCH	
Minimum documentation searched (classification system followed by classification symbols)	
Int. Cl. G11B7/125, 7/135, H01S5/00	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched	
Jitsuyo Shinan Koho	1922-1996
Jitsuyo Shinan Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005
Toroku Jitsuyo Shinan Koho	1994-2005
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)	

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2000-123403 A (Victor Company of Japan, Ltd.), 28 April, 2000 (28.04.00), Claims 3, 6; Par. Nos. [0048] to [0059]; Fig. 7 & US 6366548 B1 & EP 1001413 A2	1-14
Y	JP 8-55363 A (Matsushita Electric Industrial Co., Ltd.), 27 February, 1996 (27.02.96), Par. No. [0020]; Fig. 4 & US 5703856 A1 & US 5912868 A1	1, 13
Y	JP 2003-109243 A (Ricoh Co., Ltd.), 11 April, 2003 (11.04.03), Claim 1; Par. Nos. [0078] to [0120]; Figs. 4, 5, 11 & US 2003/72047 A1	2, 3, 7-9 10, 11, 13, 14

<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.	
* Special categories of cited documents: A* document defining the present state of the art which is not considered to be of particular relevance F* earlier application or patent but published on or after the international filing date T* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special action (as specified) P* document referring to an oral disclosure, use, exhibition or other means P* document published prior to the international filing date but later than the priority date claimed	
Date of the actual completion of the international search	Date of mailing of the international search report
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Name and mailing address of the IS/V	Authorized officer
Japanese Patent Office	Telephone No.
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2001-155375 A (Asahi Glass Co., Ltd.), 08 June, 2001 (08.06.01), Par. Nos. [0017] to [0027], [0059]; Fig. 5 (Family: none)	2, 3, 7-9 10, 11, 13, 14
Y	JP 2003-338078 A (Ricoh Co., Ltd.), 28 November, 2003 (28.11.03), Figs. 3, 9, 13, 17, 21, 22 & US 2003/72047 A1	4-11, 13, 14
Y	JP 2001-283456 A (Alps Electric Co., Ltd.), 12 October, 2001 (12.10.01), Figs. 1, 2 (Family: none)	12
A	JP 2003-317300 A (Ricoh Co., Ltd.), 07 November, 2003 (07.11.03), Par. Nos. [0103] to [0120]; Figs. 17, 18 (Family: none)	2, 3, 7-11, 13, 14
A	JP 2000-76689 A (Sharp Corp.), 14 March, 2000 (14.03.00), Figs. 1, 2, 10 (Family: none)	4-11, 13, 14
A	JP 2001-344800 A (Asahi Glass Co., Ltd.), 14 December, 2001 (14.12.01), Par. Nos. [0013] to [0015], [0029] to [0030]; Fig. 2 (Family: none)	1, 13

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